

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	(alkaline near1 earth near1 metal near1 antimonate)	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 14:33
L2	3	L1 and "red"	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 14:33
L3	0	("calcium fluoro \$1antimonate")	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 15:26
L4	4	("calcium fluoroantimonate") ("calcium metantimonate") ("calcium pyroantimonate")	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 15:27
L5	4	( calcium near1 fluoro \$1antimonate) (calcium near1 met\$1antimonate) (calcium near1 pyro\$1antimonate)	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 15:31
L6	0	5 not 4	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 15:31
L7	0	("2007/0035813").URPN.	USPAT	OR	ON	2009/03/11 15:32
L8	12	( calcium with (fluoro \$1antimonate met \$1antimonate pyro\$1antimonate))	US-PGPUB; USPAT; USOCR; FRRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 15:34
L9	18	"2755254" "20020195938"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 16:31
L10	3	("2755254" "20020195938").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 16:31

L11	2	"63101476".pn.	EPO; JPO; DERWENT	OR	ON	2009/03/11 16:32
L12	30	((roth).in. with gundula) ((tews).in. with walter)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 16:43
L13	1	12 and (alkaline earth metal antimonate red wavelength "600" "670")	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/11 16:44
S1	40730	"252".clas. and @ad< "20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 08:30
S2	4977	S1 and (phosphor fluorescent luminescent)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 08:30
S3	2969	S2 and (("color temperature") "nm" "Eu" "Mn" "Ge")	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 08:32
S4	2	S2 and (("fluoroantimonate") ("SbF"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:02
S5	0	S2 and (antimony with flouri \$2)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:04
S6	0	S2 and (("Be" "Mg" "Ca" "Sr" "Ba" "Ra") with flouri\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:05
S7	0	S2 and ("alkaline earth metal antimonate")	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:07
S8	7	("alkaline earth metal antimonate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:07
S9	10761	("alkaline earth metal") with ("F" fluoride fluorine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:12
S10	3734	S9 and @ad< "20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:13
S11	555	S10 and (phosphor fluorescent luminescent)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:13
S12	0	S11 and "fluoroantimonate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:21
S13	0	S11 and "fluoroantimonate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:21

S14	0	S11 and "SbF"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:21
S15	88	S11 and ("Sb" "Antimony")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:22
S16	0	S15 and (MgSb2o6 CaSb2O6 Ca2Sb2O7 CaSb2O6F )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:43
S17	8	MgSb2o6 CaSb2O6 Ca2Sb2O7 CaSb2O6F	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:44
S18	0	S11 and \$10Sb\$2F	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:50
S19	11631	\$10Sb\$2F	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:51
S20	11315	S19 and \$7Sb\$2F	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:52
S21	54	S20 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:53
S22	45	"Mg.sub.2TiO.sub.4" "MgZnTiO. sub.4" "MgBeTiO.sub.4" "CaMgTiO.sub.4"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:58

S23	8	S22 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 09:58
S24	0	S23 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:58
S25	14	("20040043625"   "20040096587"   "20050233171"   "3980763"   "5589284"   "6013553"   "6045626"   "6291866"   "6436801"   "6573209"   "6642539"   "6645639"   "6784139"   "6852160").FN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 09:59
S26	186	Ca\$2Sb\$2O\$2 Ca\$4Mg\$4Sb \$2O\$2F\$2 Ca\$2Sb\$2O\$2F\$4Cl \$4 Ca\$4Li\$4Sb\$2O\$2 Mg\$2O \$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:09
S27	3	S26 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:09
S28	30	S26 and fluorescent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:16
S29	0	Ca\$4Sr\$4Sb\$4Nb\$4O\$2 Ca\$4Li \$4Sb\$4S\$4O\$2 Ca\$4K\$4Sb \$4Ge\$4O\$4 Ca\$4Mg\$4Li\$4Sb \$4Ti\$4O\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:20
S30	0	Ca\$6Sr\$6Sb\$6Nb\$6O\$2 Ca\$6Li \$6Sb\$6S\$6O\$2 Ca\$6K\$6Sb \$6Ge\$6O\$6 Ca\$6Mg\$6Li\$6Sb \$4Ti\$6O\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:22
S31	0	Ca\$6Eu\$6Sb\$2O\$2 Sr\$4Zn\$4Sb \$2O\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:23

S32	13	Mg\$2Sb\$2O\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:23
S33	4	S32 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 10:24
S34	1	"MgSb.sub.2O.sub.6"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 10:25
S35	2	"CaSb.sub.2O.sub.6" "Ba. sub.2Sb.sub.2O.sub.7"" "Ca. sub.2Sb.sub.2O.sub.6F"" Ca. \$4Mg\$4Sb.sub.2O.sub.6F"" Ca. sub.2Sb.sub.2O.sub.6F"\$4Q\$4 ""SrSb.sub.2O.sub.6"" ""BaSb.sub.2O.sub.6"" ""Ca. sub.2Sb.sub.2O.sub.7"" ""Sr. sub.2Sb.sub.2O.sub.7""	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 10:35
S36	45	"Mg.sub.2TiO.sub.4" "MgZnTiO. sub.4" "MgBeTiO.sub.4" "CaMgTiO.sub.4"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 10:49
S37	11	S36 and (phosphor fluorescent luminescent)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 10:53
S38	1	S37 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 10:53
S39	14	("20040043625"   "20040096587"   "20050233171"   "3980763"   "5589284"   "6013553"   "6045626"   "6291866"   "6436801"   "6573209"   "6642539"   "6645639"   "6784139"   "6852160").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 10:57
S40	10761	("alkaline earth metal") with ("F" fluoride fluorine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 11:07
S41	3734	S40 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:07
S42	555	S41 and (phosphor fluorescent luminescent)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:07
S43	3	S42 and (("alkaline earth metal") with "F" with ("antimonate" antimony "Sb"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:07
S44	0	("301.4").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:33
S45	423	252/301.4p	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:37
S46	7254	"Eu" with (mn mg)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:37

S47	63	S45 and "Eu" with (mn mg)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:37
S48	45	S47 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:38
S49	5	S48 and "Ce"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:44
S50	0	S48 and germinate	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:57
S51	19	S46 and ("SiO.sub.4" with "GeO.sub.4")	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:59
S52	17	S51 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:59
S53	540	(252/301.4\$.cds. or 252/301.5. cds. or 252/301.6\$.cds) and ((eu or europium or "eu.sup.2" or "eu.sup.2+" or "eu.sup.+2" or eu11 or Eu?2 or eu2\$1) with (mn or manganese or "mn. sup.2" or mnii or mn2\$1 or mn?2 or "mn.sup.2+" or "mn. sup.+2"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:04
S54	286	S53 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:04
S55	273	S54 and ("Na" "K" "Rb" "Cs" "Li")	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:05
S56	71	S55 and (white with light)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:07
S57	17	S56 and ("Sb" antimony stibium antimonate)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:10
S58	0	S57 and (("Sr" "Ba" "Cd" "Zn" "Be" "Mg" "Eu" "Mn" "Sc" "Y" "La" "Sm" "Pr" "Dy" "Tb") with ("Li" "Na" "K" "Rb" "Ca") with "Sb" with "O" with ("F" "Cl" "Br"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:22
S59	0	S58 and (("Sr" "Ba" "Cd" "Zn" "Be" "Mg" "Eu" "Mn" "Sc" "Y" "La" "Sm" "Pr" "Dy" "Tb") with ("Li" "Na" "K" "Rb" "Ca") with "Sb" with "O" with ("F" "Cl" "Br"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:23
S60	1805	((("Sr" "Ba" "Cd" "Zn" "Be" "Mg" "Eu" "Mn" "Sc" "Y" "La" "Sm" "Pr" "Dy" "Tb") with ("Li" "Na" "K" "Rb" "Ca") with "Sb" with "O" with ("F" "Cl" "Br"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/16 13:24
S61	149	S60 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:24
S62	2	S61 and phosphor	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:25

S63	0	S63 and (M\$3M\$3Sb\$2O\$2Br M\$3M\$3Sb\$2O\$2Cl M\$3M\$3Sb\$2O\$2F)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:37
S64	52	S66 and ("Na" "Li" "K" "Rb" "Ca")	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:48
S65	71	S66 and ("Na" "Li" "K" "Rb" "Cs")	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:51
S66	31	S66 and ("Na" "Li" "K" "Rb" )	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 13:52
S67	0	313/503.clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 16:49
S68	1700	313/503.cds.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 16:50
S69	660	S68 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 16:51
S70	295	S69 and phosphor	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 16:51
S71	252	S70 and ("Eu" "Mn" manganese antimonate titanate germanate aluminate alkaline earth)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 16:52
S72	242	S71 and (orange color red spectrum band "nm" temperature divalent bivalent)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 16:53
S73	1700	313/503.cds.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 13:49
S74	660	S73 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 13:50
S75	330	S74 and (("Ca" calcium "Sr" strontium "Ba" Barium "Cd" Cadmium "Zn" Zinc "Be" Beryllium "Mg" magnesium "Eu" Europium "Mn" Manganese "Sc" Scandium "Y" yttrium "La" lanthanum "Sm" samarium "Pr" praseodymium "Dy" dysprosium "Tb" terbium) with ("Li" lithium "Na" sodium "K" potassium "Rb" rubidium "Cs" cesium))	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 13:55
S76	0	S75 and (M\$3M\$3S\$2O\$2X\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 13:57
S77	1	S75 and (M\$3M\$3S\$2O\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 13:57
S78	51	S75 and phosphor.tl.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:01
S79	1700	313/503.cds.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:02
S80	660	S79 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:02

S81	330	S80 and ("Ca" calcium "Sr" strontium "Ba" Barium "Cd" Cadmium "Zn" Zinc "Be" Beryllium "Mg" magnesium "Eu" Europium "Mn" Manganese "Sc" Scandium "Y" yttrium "La" lanthanum "Sm" samarium "Pr" praseodymium "Dy" dysprosium "Tb" terbium) with ("Li" lithium "Na" sodium "K" potassium "Rb" rubidium "Cs" cesium))	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:02
S82	51	S81 and phosphor.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:02
S83	2	S82 and (antimon\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:02
S84	49	S80 and (antimon\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:08
S85	159	(fluoroantimonate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 06:20
S86	74	S85 and @ad< "20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:20
S87	1046	(phosphor\$4 luminescen\$3 fluorescen\$3) and ("UV" ultra \$1violet) and (white) and alkaline and metal and antimon \$4 and (titanate silicate germanate aluminate titanium silicon germanium aluminum) and ("Eu" europium "Mn" manganese)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 06:26
S88	514	S87 and @ad< "20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 06:26
S89	40764	"252".clas. and @ad< "20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 06:58
S90	7	S89 and ((alkaline near1 earth) with (antimony antimonate "Sb") with nm)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 06:58
S91	0	("alkaline near1 earth near1 metal near1 antimonate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 07:12
S92	10	(alkaline near1 earth near1 metal near1 antimonate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 07:13



S93	1	"10" and ((alkaline near1 earth near1 metal near1 antimonate) with nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 07:13
S94	182	(phosphor luminescent fluorescent phosphorescent) and @ad<"20021220" and ("Sb.sub.2O.sub.3")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 07:22
S95	3	S89 and ((alkaline near1 earth) with (antimonate "Sb.sub.2O.sub.3"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 07:37
S96	2	("CaSb.sub.2O.sub.6")("Ca.sub.2Sb.sub.2O.sub.7")("CaSb.sub.2O.sub.6")("SrSb.sub.2O.sub.6")("Ba.sub.2Sb.sub.2O.sub.7")("Ca.sub.2Sb.sub.2O.sub.6F")("Ca.sub.1.5Mg.sub.0.5Sb.sub.2O.sub.6F")("Ca.sub.2Sb.sub.2O.sub.6F.sub.0.5Cl.sub.0.5")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 08:28
S97	4	"3925239".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 08:36
S98	1	"3925239".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 08:36
S99	11	(europium with silicate with germanate) and nm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 08:40
S100	8	(europium with silicate with germanate) and (color near1 render\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 08:48
S101	0	(europium with silic\$4 with german\$4) and (color near1 render\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 08:51

S102	268	(manganese with (antimonate "Sb.sub.2O.sub.3"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 08:53
S103	95	S102 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 08:54
S104	0	S103 and ((color near1 render \$3) "CRI")	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 08:55
S105	32	S103 and ((wave\$1length) (nm))	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 08:55
S106	11748	((("Be" "Mg" "Ca" "Sr" "Ba" "Ra") (Beryllium Magnesium Calcium Strontium Barium Radium)) with ((antimonate "Sb.sub.2O.sub.3") (antimony with oxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 09:37
S107	6420	S106 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 09:38
S108	877	S107 and (phosphor luminescent fluorescent phosphorescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:38
S109	475	S108 and (wave\$1length nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:39
S110	405	S109 and nm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:39
S111	205	S110 and (wave\$1length with nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:40
S112	23	S111 and "252".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:45
S113	912	((("Be" "Mg" "Ca" "Sr" "Ba" "Ra") (Beryllium Magnesium Calcium Strontium Barium Radium)) with (antimonate "Sb.sub.2O.sub.3"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 09:50

S114	328	S113 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 09:50
S115	44	S114 and (phosphor luminescent fluorescent phosphorescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:50
S116	34	S115 and nm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 09:53
S117	44	S114 and (phosphor luminescent fluorescent phosphorescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 10:07
S118	37	S117 and "red"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/02 10:08
S119	107	S114 and (antimony near1 trioxide)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/02 10:12
S120	2148	(phosphor luminescent fluorescent phosphorescent) and @ad<"20021220" and ("CRI" (color near1 render\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 11:45
S121	1053	S120 and ("UV" (ultra \$1violet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 11:46
S122	45	S121 and (((("CRI") (color \$1render\$3)) with ("90" "91" "92" "93" "94" "95" "96" "97" "98" "99")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 11:47
S123	10	(alkaline near1 earth near1 metal near1 antimonate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 11:50

S124	1	S123 and "CRI"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 11:50
S125	31403	"257".das. and (("LED") (light \$1emitt\$3 near1 diode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 11:55
S126	12946	S125 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 11:55
S127	38	S126 and (("CRI") (color \$1render\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 11:56
S128	0	S127 and (light\$1guid\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 12:48
S129	1919	(LED and (light\$1guid\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 12:49
S130	764	S129 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 12:49
S131	228	S130 and ("UV" (ultra \$1violet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 12:49
S132	3	S131 and (phosphor with planar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 13:31
S133	2375	(phosphor with (planar smooth \$3 flatten\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 13:33
S134	896	S133 and @ad<"20011220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 13:34
S135	87	S134 and LED	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 13:38
S136	18	S135 and (phosphor with (thin near1 film))	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 13:48
S137	1	"6734465".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 14:22

S138	492	LED and (phosphor with (thin near1 film))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 15:07
S139	148	S138 and @ad< "20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:07
S140	2	S131 and pelka.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 15:54
S141	0	S135 and duffal.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 16:02
S142	1	S135 and duggal.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 16:02
S143	14	("3925239" "6734465" "20030085642" "20040169181" "6700322"). pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 16:16
S144	5	("3925239" "6734465" "20030085642" "20040169181" "6700322"). pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 16:16
S145	115	((alkaline near1 earth) with (antimonate "Sb.sub.2O. sub.3"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 08:57
S146	6	("3278318"   "4455384"   "5334559"   "6376399"   "6911160").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 09:03
S147	568813	(phosphor fluorescent luminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 14:50

S148	269	Si47 and ((fluoro\$1antimonate") ("SbF"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 14:50
S149	232	Si48 and light	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/10 14:51
S150	89	Si49 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 14:52
S151	140	Si49 not Si50	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 14:59
S152	650	Si47 and antimonate	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:04
S153	484	Si52 and ((alkaline near1 earth) (fluorine fluoro\$7))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:05
S154	3	Si52 and ((alkaline near1 earth) with antimonate)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:06
S155	1859	Si47 and (manganese with (aluminate titanate silicate antimonate))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:09
S156	812	Si55 and (manganese with activat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:10
S157	707	Si56 and light	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:10
S158	548	Si57 and ((light near1 emit\$4) (luminescent))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:11
S159	550	Si47 and ((manganese near1 activat\$3) with (aluminate titanate silicate antimonate))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:12
S160	248	Si59 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:12
S161	107	Si47 and ((manganese near1 activat\$3) with (aluminate titanate (silicate\$1germanate) antimonate))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:17
S162	55	Si61 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 15:17
S163	0	(Ba\$1Na\$1Sb\$1O\$1F)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:44

S164	0	(Ba\$1Li\$1Sb\$1O\$1F)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:45
S165	0	(Ba\$1Li\$1Sb\$1O\$1Cl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:45
S166	0	(Ba\$1Na\$1Sb\$1O\$1Cl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:45
S167	4536	("antimonate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:48
S168	4466	S167 and (lithium "Li" sodium "Na" potassium "K" rubidium "Rb" cesium "Cs")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:51
S169	3645	S168 and (fluorine chlorine "Cl" "F")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 07:52
S170	1345	S169 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 07:52
S171	26	S170 and phosphor	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 07:55
S172	182	S169 and phosphor	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 07:56
S173	3680	S167 and (lithium "Li" sodium "Na" potassium "K" rubidium "Rb" cesium "Cs")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 07:56
S174	3087	S173 and (fluorine chlorine "Cl" "F")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 07:57

S175	159	S174 and phosphor	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 07:57
S176	4536	("antimonate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/11 08:02
S177	3680	S176 and (lithium "Li" sodium "Na" potassium "K" rubidium "Rb" cesium "Cs")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 08:02
S178	3087	S177 and (fluorine chlorine "Cl" "F")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 08:02
S179	159	S178 and phosphor	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 08:02
S180	19	S179 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 08:02
S181	1546	S178 and (luminescen\$3 fluorescen\$4 phosphor\$5 (light \$1emit\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 08:06
S182	744	S181 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 08:07
S183	725	S182 not S180	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 08:07
S184	38	S183 and (((luminescen\$3 fluorescen\$4 phosphor\$5 (light \$1emit\$3)).ab.) ((luminescen\$3 fluorescen\$4 phosphor\$5 (light\$1emit\$3)).ti.))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 08:10
S185	768	S181 not phosphorus	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 08:13
S186	750	S185 not S180	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 08:13
S187	316	S186 and @ad<"20021220"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 08:13
S188	546	(Sb\$1O\$1F) (Sb\$1O\$1C) (Sb \$1O\$1X)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 08:22
S189	78	S188 and (luminescen\$3 fluorescen\$4 phosphor\$5 (light \$1emit\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 08:23



S190	81	S188 and (luminescen\$3 fluorescen\$4 phosphor\$5 (light \$1emit\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 08:23
S191	32	S190 not phosphorus	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 08:24
S192	2	((Ba\$1Sb\$1O\$1) (Ca\$1Sb\$1O \$1) (Sr\$1Sb\$1O\$1) (Be\$1Sb \$1O\$1) (Mn\$1Sb\$1O\$1)) with (phosphor luminescent fluorescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 09:07
S193	2	((Ba\$1Sb\$1O\$1) (Ca\$1Sb\$1O \$1) (Sr\$1Sb\$1O\$1) (Be\$1Sb \$1O\$1) (Mn\$1Sb\$1O\$1)) with (phosphor luminescent fluorescent (light\$1emit\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 09:18
S194	4	((Ba\$1Sb\$1O\$1)((Barium Calcium Strontium Beryllium Manganese) near1 antimonate) (Ca\$1Sb\$1O\$1) (Sr\$1Sb\$1O\$1) (Be\$1Sb\$1O \$1) (Mn\$1Sb\$1O\$1)) with (phosphor luminescent fluorescent (light\$1emit\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/11 09:24

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